

AMENDMENTS TO THE CLAIMS

Claim 1 (currently amended): A digital mixer apparatus for performing mixing processing on sound signals to output mixed sound signals, said apparatus comprising:

a plurality of input channels each arranged to receive a sound signal;

a plurality of buses each arranged to perform mixing processing on the sound signals input thereto from one or more of said plurality of input channels and thereby output mixed sound signals;

a plurality of bus selecting ~~operators~~ controls provided in one-to-one corresponding relation to said plurality of buses, each of said bus selecting ~~operators~~ controls selecting a corresponding one of said buses in response to operation thereof;

a plurality of channel-specific send ~~operators~~ controls provided in corresponding relation to said plurality of input channels, each of said channel-specific send ~~operators~~ controls controlling a level of the sound signal to be delivered from a corresponding one of said input channels to the selected bus;

a plurality of channel-ON ~~operators~~ controls provided in corresponding relation to said plurality of input channels, each of said channel-ON ~~operators~~ turning on/off controls setting whether or not the sound signal to be is passed through a corresponding one each of said input channels corresponding to each of said channel-ON controls, each of said channel-ON controls and having a display that displays a signal ON/OFF state of the corresponding input channel, said signal ON/OFF state indicating whether the sound signal is to be passed through the corresponding input channel ;

a send ON/OFF section that ~~turns on/off~~ sets whether or not to permit delivery of the sound signals from said input channels to said buses for each of combinations of said input channels and said buses; and

a control section that, while any one of said plurality of bus selecting ~~operators~~ controls is being operated beyond a predetermined time period, causes the displays of said channel-ON ~~operators~~ controls to display ON/OFF states, in said send ON/OFF section, of the delivery of the sound signals from the input channels, corresponding to said channel-ON ~~operators~~ controls, to the bus corresponding to the one bus selecting ~~operator~~ control.

Claim 2 (currently amended): A digital mixer apparatus for performing mixing processing on sound signals to output mixed sound signals, said apparatus comprising:

- a plurality of input channels each arranged to receive a sound signal;
- a plurality of buses each arranged to perform mixing processing on the sound signals input thereto from one or more of said plurality of input channels and thereby output mixed sound signals;
- a plurality of bus selecting ~~operators~~ controls provided in one-to-one corresponding relation to said plurality of buses, each of said bus selecting ~~operators~~ controls selecting a corresponding one of said buses in response to operation thereof;
- a plurality of channel-specific send ~~operators~~ controls provided in corresponding relation to said plurality of input channels, each of said channel-specific send ~~operators~~ controls controlling a level of the sound signal to be sent from a corresponding one of said input channels to the bus selected via said bus selecting ~~operator~~ control;
- a plurality of channel-ON ~~operators~~ controls provided in corresponding relation to said plurality of input channels, each of said channel-ON ~~operators~~ turning-on/off controls setting whether or not the sound signal to be is passed through a corresponding one each of said input channels corresponding to each of said channel-ON controls, each of said channel-ON controls and having a display that displays a signal ON/OFF state of the corresponding input channel said signal ON/OFF state indicating whether the sound signal is to be passed through the corresponding input channel;
- a send ON/OFF section that ~~turns on/off~~ sets whether or not to permit delivery of the sound signals from said input channels to said buses for each of combinations of said input channels and said buses; and
- a control section that, while any one of said plurality of bus selecting ~~operators~~ controls is being operated beyond a predetermined time period, changes, in response to operation of any one of said channel-ON ~~operators~~ controls, the ON/OFF state, in said send ON/OFF section, of the delivery of the sound signal from the input channel, corresponding to the one channel-ON ~~operator~~ control, to the bus corresponding to the one bus selecting ~~operator~~ control.

Claim 3 (currently amended): A digital mixer apparatus for performing mixing processing on sound signals to output mixed sound signals, said apparatus comprising:

a plurality of input channels each arranged to receive a sound signal;

a plurality of layer ~~operators~~ controls provided in one-to-one corresponding relation to a plurality of layers provided by dividing said plurality of input channels into groups each comprising a predetermined number of the input channels, each of said layer ~~operators~~ controls selecting, in response to operation thereof, the predetermined number of the input channels belonging to a corresponding one of said layers;

a first bus that performs mixing processing on the sound signals input thereto from selected ones of said plurality of input channels and thereby outputs mixed sound signals;

a predetermined number of first level ~~operators~~ controls to which are allocated the predetermined number of the input channels selected via said layer ~~operator~~ controls, each of said first level ~~operators~~ controls adjusting, in response to operation thereof, delivery levels of the sound signals to be delivered from the input channels allocated thereto to said first bus;

a plurality of second buses that perform mixing processing on the sound signals input thereto from selected ones of said plurality of input channels and thereby output mixed sound signals;

a plurality of bus selecting ~~operators~~ controls provided in one-to-one corresponding relation to said plurality of second buses, each of said bus selecting ~~operators~~ controls selecting a corresponding one of said second buses in response to operation thereof;

a predetermined number of second level ~~operators~~ controls to which are allocated the predetermined number of the input channels selected via said layer ~~operator~~ controls, each of said second level ~~operators~~ controls adjusting, in response to operation thereof, delivery levels of the sound signals to be delivered from the input channels allocated thereto to said second bus selected via said bus selecting ~~operator~~ control; and

a control section that, in response to operation of any one of said plurality of bus selecting ~~operators~~ controls during continued operation of any one of said plurality of layer ~~operators~~ controls, copies, ~~set via said second level operator~~, of the signals to be delivered from the predetermined number of the input channels ~~set via said second level operator~~ to said second bus corresponding to the one bus selecting ~~operator~~ control, from the delivery levels, set via

said first level ~~operator~~ controls, of the signals to be delivered from the predetermined number of the input channels, corresponding to the one layer ~~operator~~ control, to said first bus.